#### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

#### (19) World Intellectual Property **Organization** International Bureau



# 

(43) International Publication Date 21 October 2004 (21.10.2004)

PCT

### (10) International Publication Number WO 2004/090280 A1

(51) International Patent Classification7: 31/00

E21B 29/04,

(74) Agent: HÅMSØ PATENTBYRÅ ANS; P.O. Box 171, N-4302 Sandnes (NO).

(21) International Application Number:

PCT/NO2004/000093

(22) International Filing Date:

1 April 2004 (01.04.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 20031667

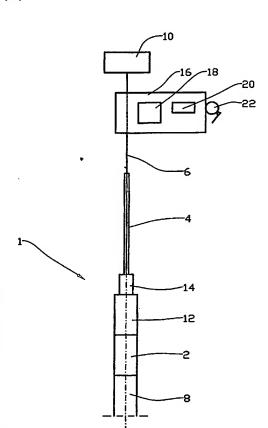
11 April 2003 (11.04.2003) NO

- (71) Applicant (for all designated States except US): SMED-VIG OFFSHORE AS [NO/NO]; P.O. Box 110, N-4001 Stavanger (NO).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): DREGGEVIK, Mikal [NO/NO]; Varhaugv. 23, TAU, 4120 (NO).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
  - KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,

[Continued on next page]

(54) Title: METHOD AND DEVICE FOR THE CONTROLLED DISCONNECTION OF A WIRELINE



(57) Abstract: A method and device for controlling the disconnection of a wireline (4), of the kind used in wireline operations in a wellbore, from a wireline tool (8), the wireline (4) being provided with a conductor (6) arranged to communicate signals, the signals being monitored at the wireline tool (8) by means of a lower monitoring and control circuit (24), and the lower monitoring and control circuit (24) activating, by disappearance of signals from the surface, a disconnect device (12) after a predetermined time, the disconnect device (12) being arranged to disconnect the wireline (4) from the wireline tool (8).



## WO 2004/090280 A1



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.